



PTO/SB/08A (10-01)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1	Attorney Docket Number	M1909.0158/P158
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Complete if Known

Application Number	10/020,743
Filing Date	December 12, 2001
First Named Inventor	Masafumi Nakamura
Art Unit	2877 2821
Examiner Name	Not Yet Assigned <i>Hiroyuki</i>

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
<i>hp</i>	AA	6,144,165	11-07-2000	Liedenbaum	
<i>hp</i>	AB	6,265,833	07-24-2001	Kim et al.	
<i>hp</i>	AC	2002/0044782	04-18-2002	Kota et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
<i>hp</i>	BA	JP 58-156257	09-17-1983			
<i>hp</i>	BB	GB 2199439	07-06-1988			
<i>hp</i>	BC	JP 2001/176659	06-29-2001			
<i>hp</i>	BD	EP 1117085	07-18-2001			

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>hp</i>	CA	EP Search Report dated 7-25-2002.	

Examiner Signature	<i>Karen Shih</i>	Date Considered	12/29/02
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